

The dynamic models of geomorphological systems (the qualitative theory of dynamic systems' application).

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Abstract

The following models are discussed: first, dynamic models of shore slope systems - a model of the interaction between wash denudation and accumulation zones by way of the intervening transit zone and dynamic models of undercut slopes; second, dynamic models of slope systems - a dynamic model of a talus slope, a dynamic model of gully processes and dynamic models based on the equilibrium concept of Ahnert. These models can be applied to the analysis of stability, to the control of slope systems and to the forecasting of their reactions to changes of system components, including assessment of the resulting lag effects and relaxation times.-
from Authors
